U.S. Serial No. 10/053,182 (Attorney Dkt: HALB:031)

Art Unit: 3673; Examiner KRECK, JOHN J.

What is claimed is:

1. (Withdrawn) A lost circulation material or composition comprising a blend of a carbon-based material and a water-swellable but not water-soluble crystalline synthetic polymer.

- 2. (Withdrawn) The composition of claim 1 wherein said carbon-based material comprises graphite carbon particles and ungraphitized carbon particles.
- 3. (Withdrawn) The composition of claim 2 wherein said graphite carbon particles are resilient and said carbon-based material comprises more graphite carbon particles than ungraphitized carbon particles.
- 4. (Withdrawn) The composition of claim 1 wherein said polymer comprises polyacrylamide.
- 5. (Withdrawn) The composition of claim 4 wherein said polyacrylamide is crosslinked.
- 6. (Withdrawn) The composition of claim 1 wherein the carbon-based material comprises about 70 to about 90 pounds per barrel of the blend.
- 7. (Withdrawn) The composition of claim 1 wherein the polymer comprises about 2 to about 10 pounds per barrel of the blend.
- 8. (Withdrawn) The composition of claim 1 further comprising glyoxal.
- 9. (Withdrawn) A drilling fluid comprising a lost circulation additive wherein said lost circulation additive comprises a blend of a carbon-based material and a water-swellable but not water-soluble crystalline synthetic polymer.
- 10. (Withdrawn) The drilling fluid of claim 9 wherein said carbon-based material comprises resilient graphite carbon particles and ungraphitized carbon particles.
- 11. (Withdrawn) The drilling fluid claim 9 wherein said polymer comprises polyacrylamide.
- 12. (Withdrawn) The drilling fluid of claim 1 wherein the carbon-based material comprises about 70 to about 90 pounds per barrel of the blend.
- 13. (Withdrawn) The drilling fluid of claim 1 wherein the polymer comprises about 2 to about 10 pounds per barrel of the blend.
- 14. (Currently amended) A method for preventing or alleviating lost circulation of drilling fluid in a wellbore penetrating a subterranean formation, said method comprising treating said wellbore with the <u>a</u> lost circulation material of claim 1 or composition comprising a <u>blend of a resilient carbon-based material and a water-swellable but not water-soluble crystalline synthetic polymer.</u>

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15. (Currently amended) A method for preventing or alleviating loss of drilling fluid in a wellbore penetrating a subterranean formation, said method comprising: adding to said drilling fluid an additive comprising a <u>resilient</u> carbon-based material and a water swellable but not water-soluble crystalline synthetic polymer; circulating said drilling fluid in said wellbore; and allowing said additive to enter a lost circulation zone of said formation.

- 16. (Original) The method of claim 15 wherein said carbon-based material is comprised of graphite carbon particles and ungraphitized carbon particles.
- 17. (Original) The method of claim 15 wherein said polymer comprises polyacrylamide.
- 18. (Original) A method for treating lost circulation of fluids in a wellbore penetrating a subterranean formation, the method comprising: introducing into said wellbore a composition comprising: a resilient carbon-based material having graphite particles and ungraphitized particles, and a water-swellable but not water-soluble crystalline polyacrylamide polymer; and allowing said composition to enter a lost circulation zone of said formation.
- 19. (Original) The method of claim 18 wherein said polymer is crosslinked.
- 20. (Original) The method of claim 18 wherein said composition further comprises an alcohol.
- 21. (Original) The method of claim 18 wherein said composition further comprises a weighting material.
- 22. (Currently amended) The method of claim 18 wherein said carbon based material comprises about 70 to about 90 pounds per barrel of the composition and said polymer comprises about 2 to about 10 pounds per barrel of the composition are present in a ratio of about 90:10.
- 23. (Original) The method of claim 18 wherein said wellbore is horizontal or directional.
- 24. (Original) The method of claim 18 wherein said wellbore has a subterranean temperature of about 200 degrees Fahrenheit or less.
- 25. (New) The method of claim 14 wherein said lost circulation material or composition has no reinforcing materials added thereto.
- 26. (New) The method of claim 15 wherein said additive does not comprise bentonite or other reinforcing materials.